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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/661,429	09/13/2000	Simon Fafard	99388-US	8408	
23553 75	590 07/15/2002				
MARKS & C	LERK		EXAM	NER	
P.O. BOX 957 STATION B			NGUYEN, JOSEPH H		
OTTAWA, ON CANADA	K1P 5S7		ART UNIT	PAPER NUMBER	
CANADA			2815	2815	
			DATE MAILED: 07/15/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 09/661,429 FAFARD, SIMON Examiner Joseph Nguyen 2815 - The MAILING DATE f this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Edensions of time may be available under the provisions of 37 CFR 1.36(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the pend for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. If the pend for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Any reply received by the Office later than them combine and split states the mailing date of this communication, even if timely filed, may reduce any samed patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on	
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11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.	
ii approved, corrected drawings are required in reply to this Office action.	
12) The oath or declaration is objected to by the Examiner.	12)☐ The oath or declaration is objec
Priority under 35 U.S.C. §§ 119 and 120	ority under 35 U.S.C. §§ 119 and 12
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).	13) Acknowledgment is made of a
a) All b) Some * c) None of:	a) ☐ All b) ☐ Some * c) ☐ None
1. Certified copies of the priority documents have been received.	 Certified copies of the pr
2. Certified copies of the priority documents have been received in Application No	2. Certified copies of the pr
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 	application from the I
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).	4) Acknowledgment is made of a cl
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.	
Attachment(s)	chment(s)
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152) 6) Other:	Notice of Draftsperson's Patent Drawing Rev

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DETAILED ACTION

Election/Restriction

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-20, drawn to the laser system, classified in class 372, subclass
 43 and wherein:
- II. Claims 21-23, drawn to a method of producing the laser system, classified in class 438, subclass +1.
- III. Claims 24-27, drawn to a method of generating tunable laser, light, classified 313, subclass +1.

The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of the Group I invention would not necessarily imply unpatentability of the Group II invention, since the product of the Group I invention could be made by another and materially different process from those of the Group II invention. For example, as an alternative in claim 21, rather than depositing at a specified growth rate said quantum material at a temperature, diffusing at a specified growth rate said quantum material at a temperature could be used.

Furthermore, Inventions I and III are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1)

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the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case unpatentability of the Group I invention would not necessarily imply unpatentability of the Group III invention, since the product of the Group I invention could be used by another and materially different process from those of the Group III invention. For example, as an alternative in claim 24, rather than using electrical power to generate laser emission from a low dimensionality laser diode, optical power could be used to generate laser emission from a low dimensionality laser diode.

Because these inventions are distinct for the reasons given above, the inventions have acquired a separate status in the art because of their recognized divergent subject matter as shown by their different classification, the search required for Group II is not required for Group I, and the search required or Group III is not required for Group I, and separate examination would be required, restriction for examination purposes as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Nguyen whose telephone number is (703) 308-1269. The examiner can normally be reached on Monday-Friday, 7:30am-4: 30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (703) 308-1690. The fax phone number for the organization where this application or proceeding is assigned is (703)-308-7382 for regular communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

JN July 8, 2002

> EDDIE LEE SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800